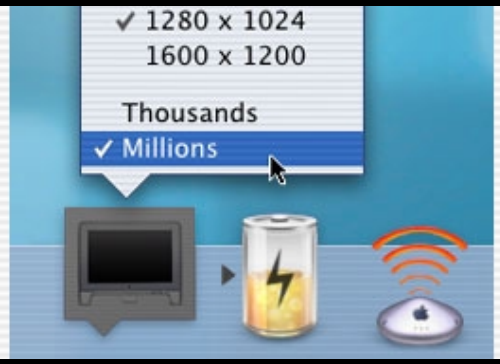
Session 600

WebObjects State of the Union



Ernest Prabhakar
Product Line Manager
Development Platforms

Introduction

- Welcome to WebObjects
- This is the beginning of…
- My talk
- Lots of cheesy animations
- A week full of learning
- A new era for WebObjects

What You'll Learn

- Who are the people behind WebObjects
- The inside scoop on WebObjects 5
- Where is documentation going
- What's new with Apple iServices
- Which sessions you'll want to attend
- A Surprise

Who Builds WebObjects

Toni Trujillo-Vian
WebObjects Director

Genevieve Purugganan
Quality Manager

Andreas Wendker
Rapid Development Manager

Jeff Glasson
Framework Manager

Francois Jouaux
Deployment Manager

Stan Jirman
Tools Manager

Who Supports WebObjects

Bob Fraser
WebObjects Marketing

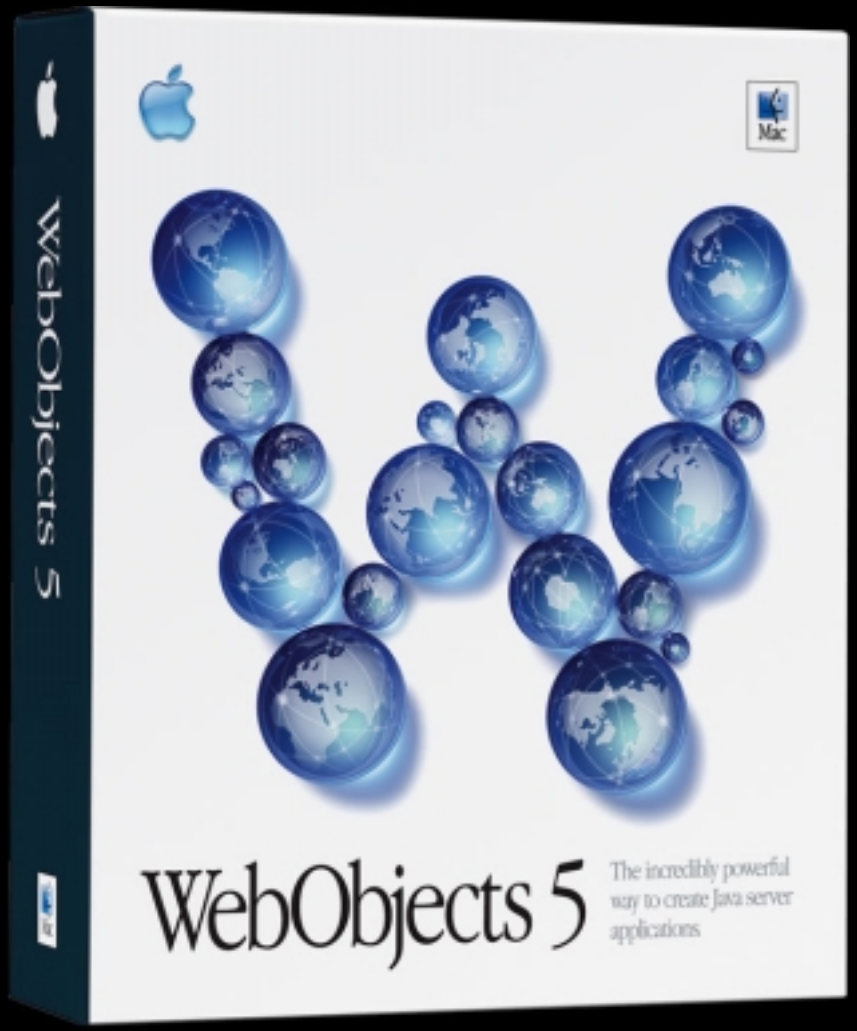
Tavares Ford
WebObjects DTS

Matt Rollefson
WebObjects Documentation

Robert Esker
AppleCare

Tim Joransen
Apple iServices

James Dempsey
Apple iServices

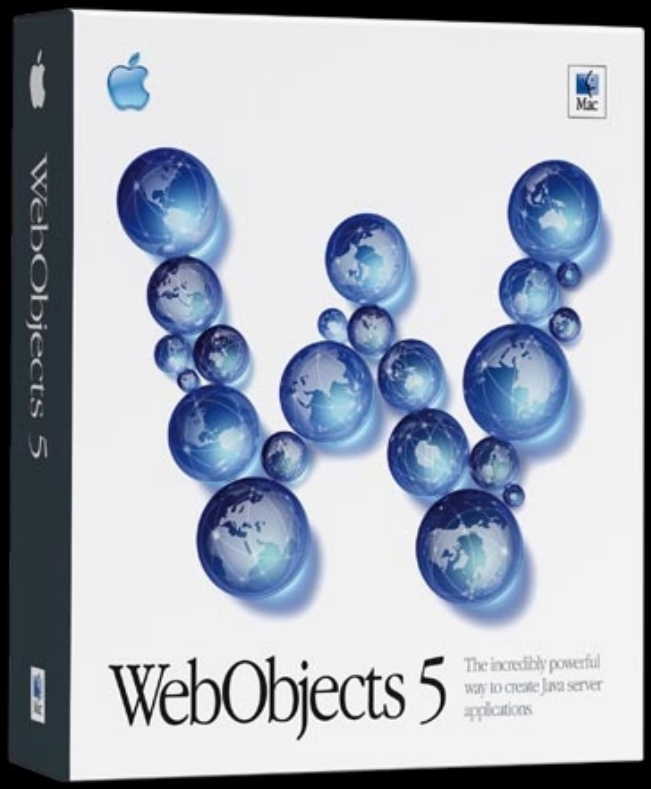


WebObjects 5

The original web application server—now in Java!

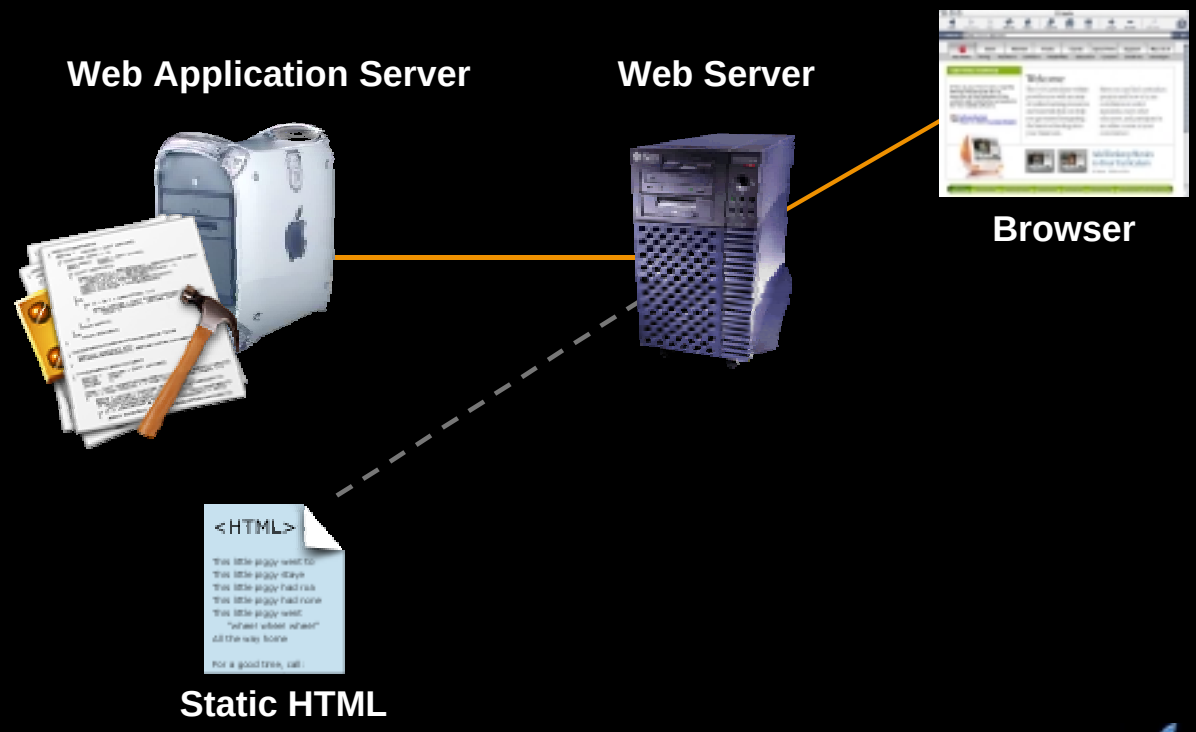
The incredibly powerful way to create Java server applications

The Internet Engine

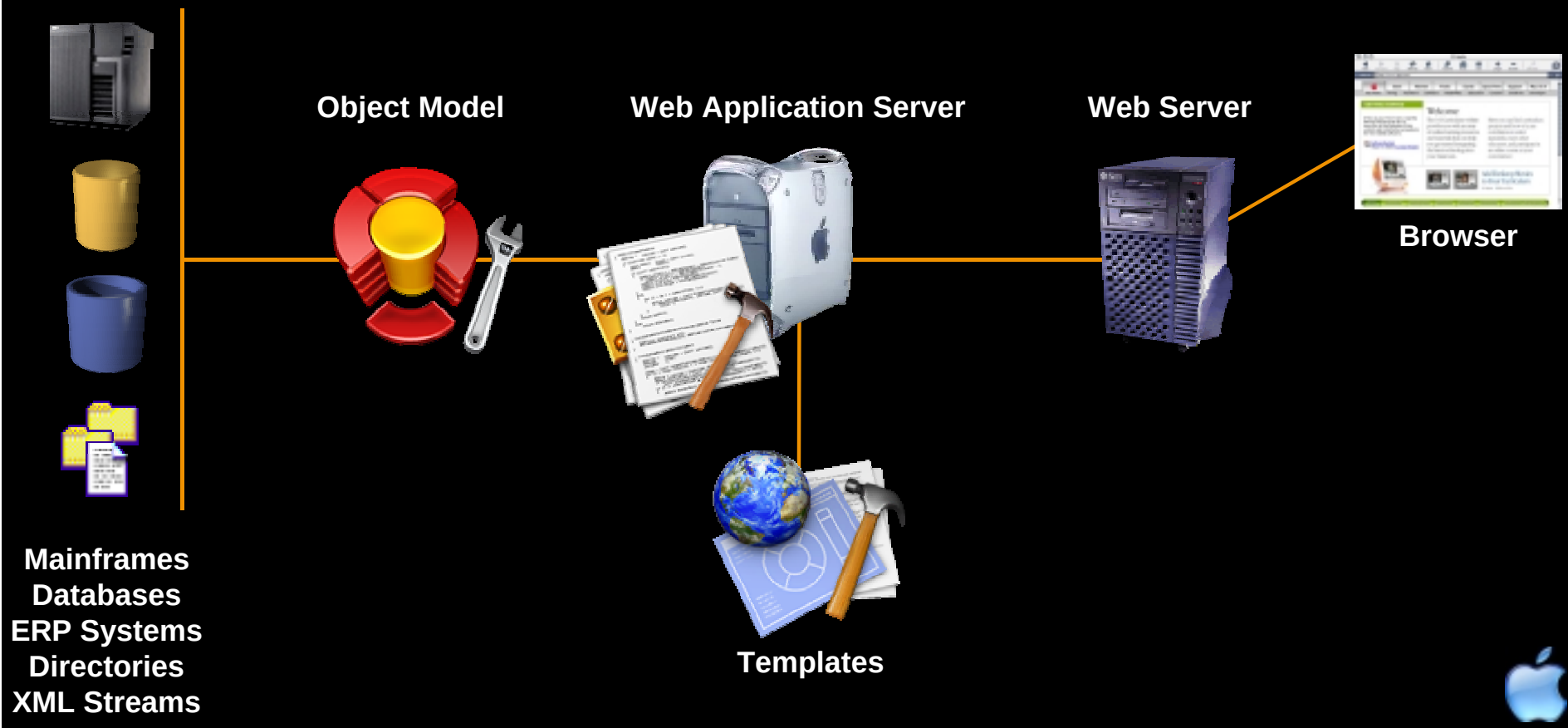


- A powerful tool for interactively delivering rich Internet content
- The smart way to bring applications to the Internet

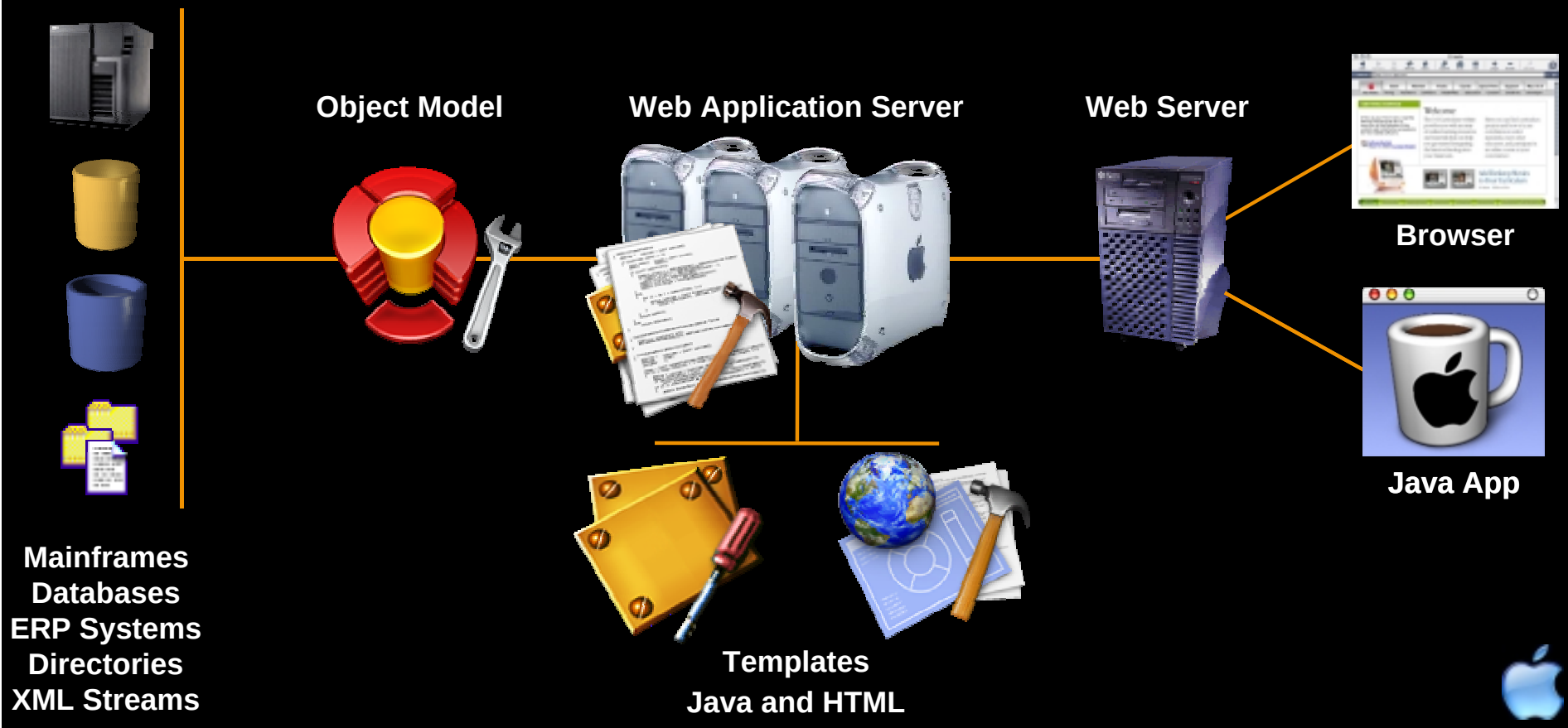
Web Application Server



Web Application Server



Web Application Server

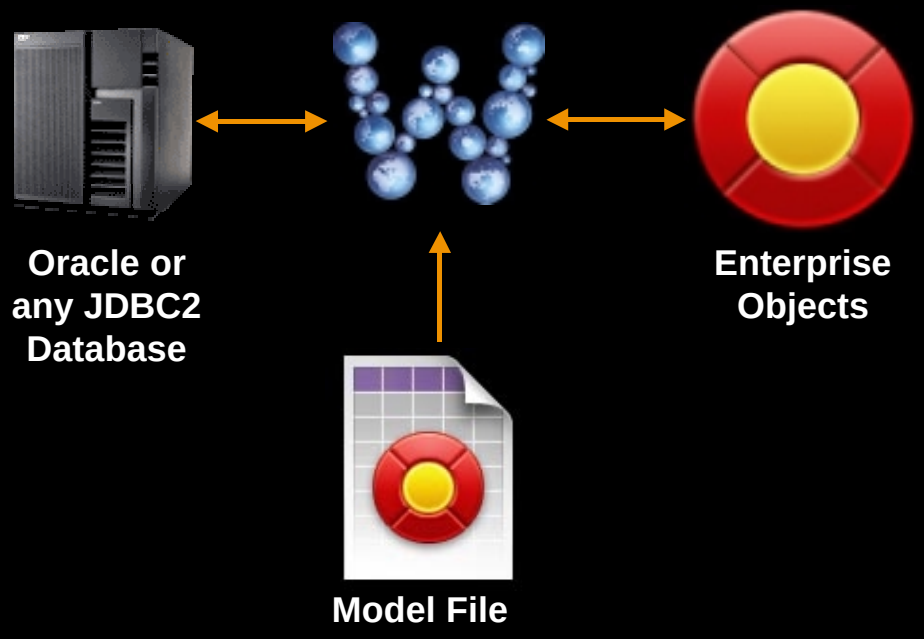


WebObjects 5

Features and benefits

- Automated data access
- Streamlined page generation
- Rich desktop application support
- Scalable Java deployment
- Integrated developer tools

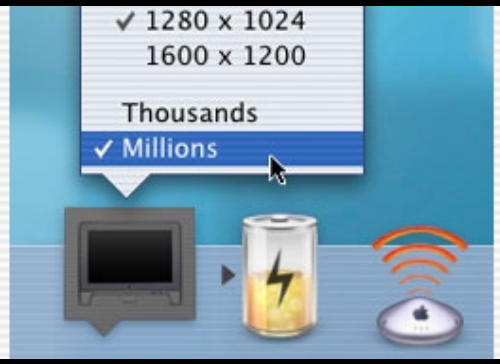
Automated Data Access



- No need to write SQL!
- Database independence
  - Easy to switch
  - Use several at once
- Transparent persistence
  - Fetching
  - Caching
  - Updating

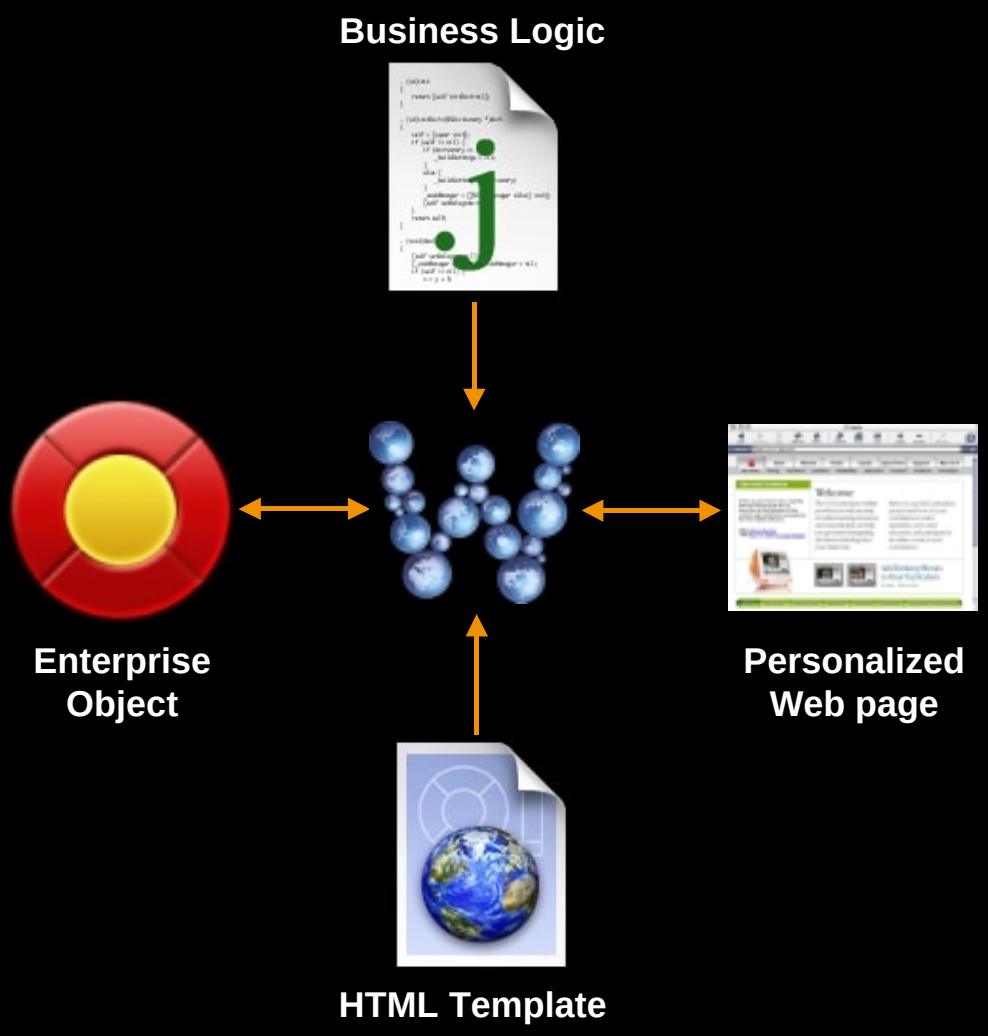
Demo

Data Modeling



Ernest Kim
WebObjects Engineering

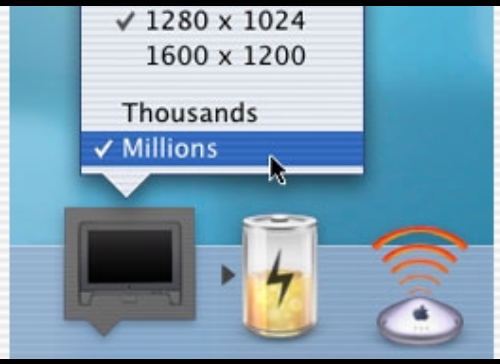
Streamlined Page Generation



- Isolates HTML and logic from the data
- Manages sessions, users, and security
- Generates HTML, XML, or SMIL
- Easily embeds client-side scripts or controls
- Full multi-lingual capability

Demo

HTML Display Group



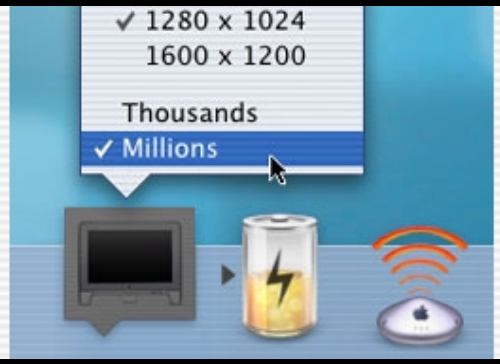
Tom Naughton
WebObjects Engineering

Rich Desktop Applications

- Highly interactive user experience
- Client-side caching for great responsiveness
- Use complex Java or Cocoa widgets

Demo

Cocoa Integration



Ron Lue-Sang
WebObjects Engineering

Scalable Java Deployment

Monitor

Applications | Hosts | Site | Preferences | Help

MediaServer

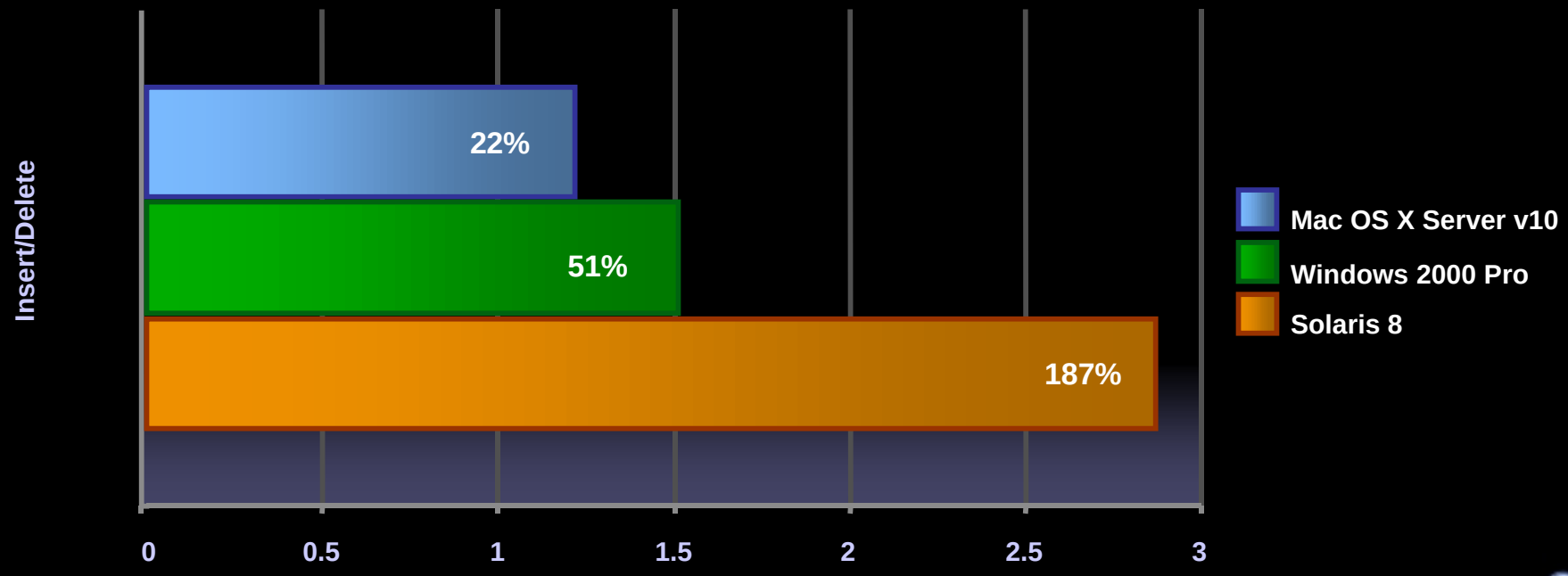
This page automatically updates every 60 seconds.
Refresh Now

Name	Host - Port	Status	Start - Stop	Auto Recover	Refuse New Sessions	Scheduled	Statistics						Configure	Delete
							Trans-actions	Active Sessions	Average Trans-action	Average Idle Period	Deaths	WOStats		
MediaServer-1	macserver07:2002	ON		OFF	OFF	OFF	247510	75	0.059	0.078	-	WOStats	Config	Delete
MediaServer-2	macserver01:2001	ON		OFF	OFF	OFF	217839	53	0.088	0.033	-	WOStats	Config	Delete
MediaServer-3	macserver05:2002	ON		OFF	OFF	OFF	294076	87	0.155	0.023	-	WOStats	Config	Delete
ALL INSTANCES:							759425	215	0.104	0.043	Clear Deaths	574.20 TPM	Config	

Add 1 instance(s) on host: Choose One...

Improved Performance

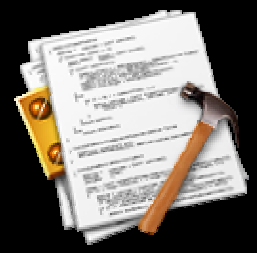
- Insert, search for, and delete three movies
- Average over three server-days of running



Integrated Developer Tools

WebObjects Builder

Interface Builder

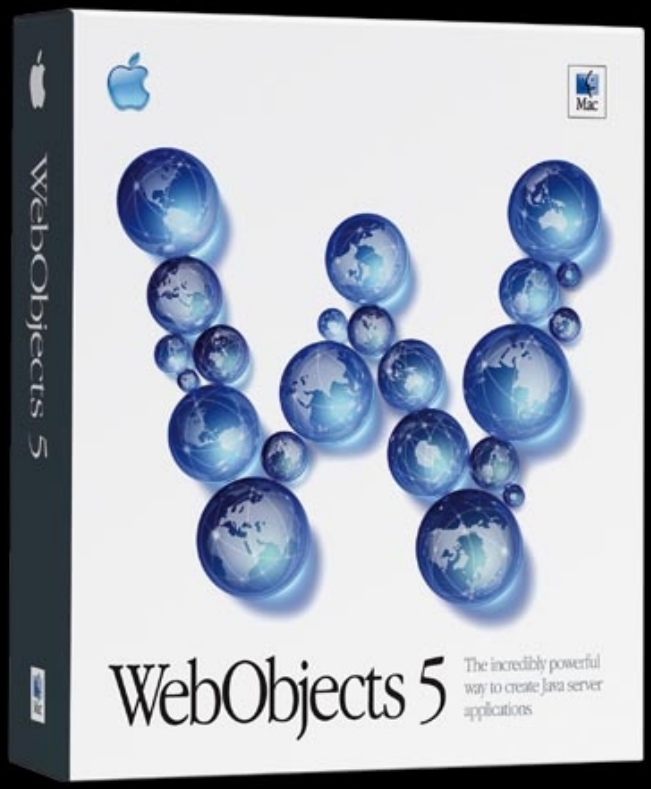


Project Builder

EOModeler

Rule Editor

Advantages



- Rapid time to market
- Built-in quality
- Accessibility to Java
- Proven solutions

Rapid Time to Market

- Optimized for modular development
- Rich frameworks do the hard work for you
- Smart tools streamline application design
- Powerful assistants create fully functional prototypes in seconds
  - Direct to Web
  - Direct to Java Client

Built-in Quality

- Most mature frameworks on the market
- Less application-specific code means fewer bugs
- Application partitioning improves flexibility and security
- Database integrity constraints embedded directly in the data model

Accessibility to Java

- Java 2 Platform, Standard Edition 1.3
  - Runs everywhere!
  - Familiar to all Java programmers
  - Interoperability with other Java solutions
- Xerces XML parser
  - Import and export of XML data streams
  - Integrated with Enterprise Objects

Proven Solutions

Consumers | **Education** | **Creative** | **Business**

Pricing and Availability

Available now!

- Now $699 (suggested U.S. retail price) for both development and deployment
- Available worldwide via the Apple Store and authorized resellers
- Free evaluations available through the Apple Developer Connection

Roadmap

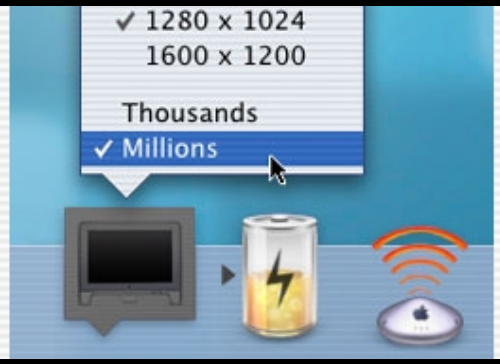
	WebObjects 4.5	WebObjects 4.5.1	WebObjects 5
Released	March, 2000	May, 2001	May, 2001
Platforms	Mac OS X Server	Mac OS X* Mac OS X Server 1.2 Windows NT/2000	Mac OS X Windows 2000
(deployment only)	Solaris 2.7 HP-UX 11	Solaris 2.7 HP-UX 11	Java 2
Languages	Java Objective-C Web Script	Java* Objective-C Web Script	Java

*WebObjects 4.5.1 on Mac OS X will not support Java; use WebObjects 5 instead.

Gentle Migration

- Java Converter
  - Fully converts bridged-Java code
  - Handles 80% of Objective-C to Java issues
- WebObjects 4.5.1 on Mac OS X
  - Easily re-deploy existing applications
  - Runs on all current Macintosh hardware
  - Runs existing EOF/Cocoa applications

Documentation



Matt Rollefson
Manager
WebObjects and Mac OS X Tech Pubs

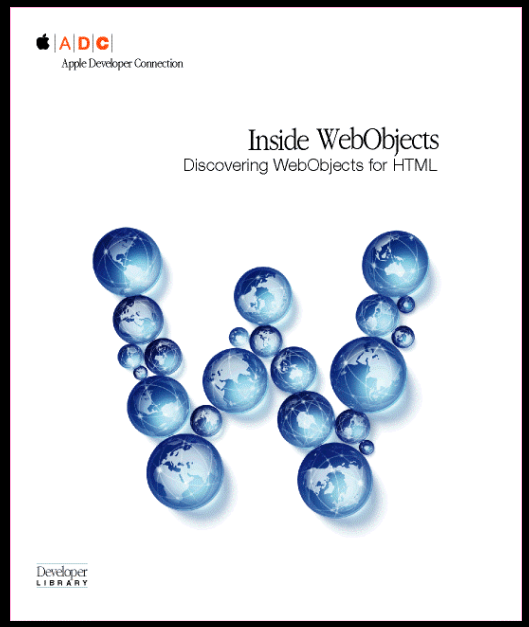
Documentation

- Reference
- Tutorial/Overview
- Deployment
- Focused Tasks

Available on FatBrain{*}

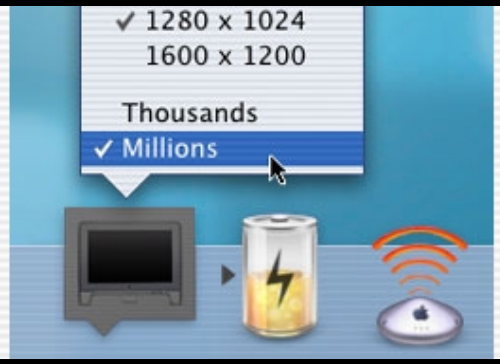
- Inside WebObjects

WebObjects Overview



Discovering WebObjects for HTML

Apple iServices



Timothy Joransen
Manager
Systems Engineering

James Dempsey
Curriculum Manager
Training and Certification

Apple iServices

Internet Consulting

Integration

Technical Training

Enterprise Support

Consulting

- Software development
- Systems design and integration
- Migration planning
- Third-party solutions integration

Technical Support

- Silver and Gold Support for WebObjects
- Access to expert technical staff
- Personalized, long-term relationship
- Quick, dependable response time

Technical Training

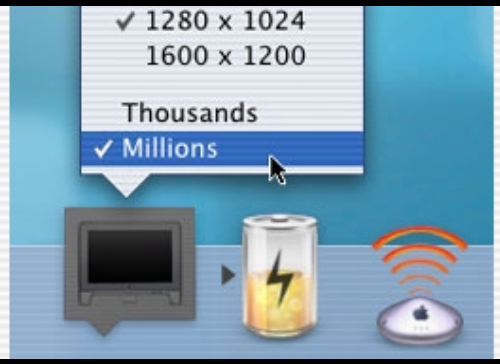
- WebObjects Development
- WebObjects Deployment
- Cocoa Development
- System Administration
  - Mac OS X
  - Mac OS X Server
- Also Certification!

Apple iServices

- Web: **www.apple.com/iservices**
- E-mail: **iservices@apple.com**
- Phone: **(800) 848-6398**

- Visit Apple iServices Exhibit Fair Booth
  - Save hundreds of dollars on training

Guest Speaker



Roshanak Afsarifard
Senior Director of Platform Technologies
Oracle

ORACLE®

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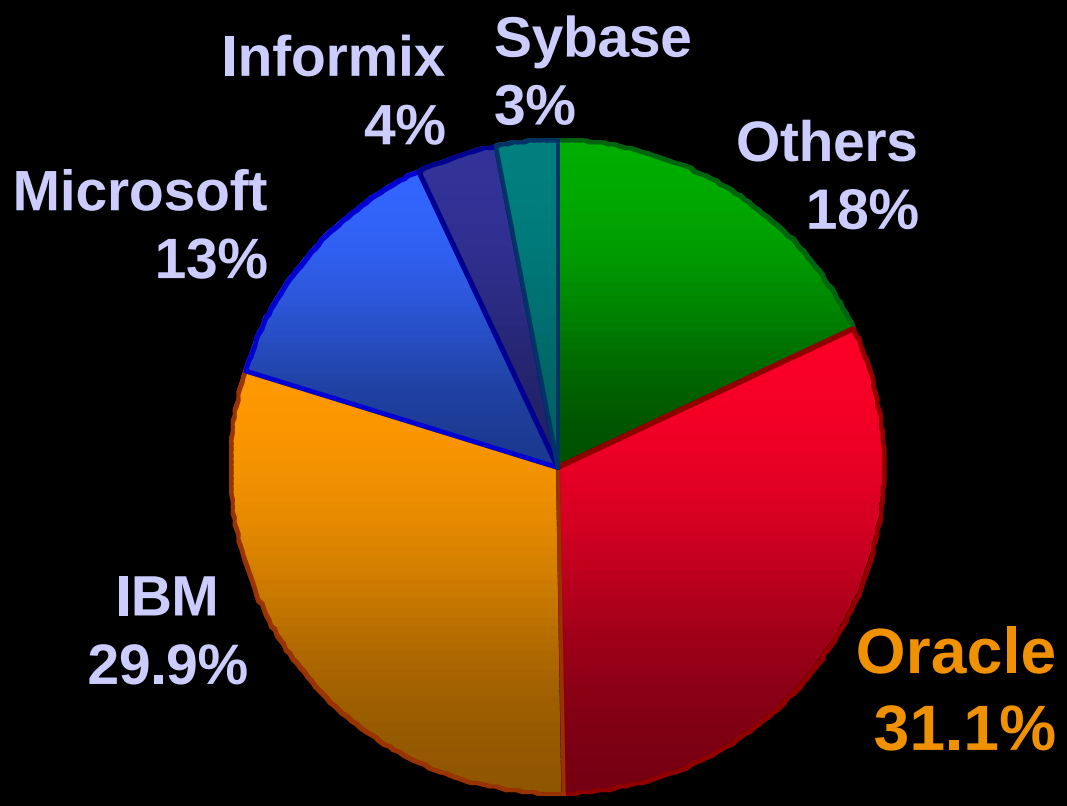
Corporate Overview

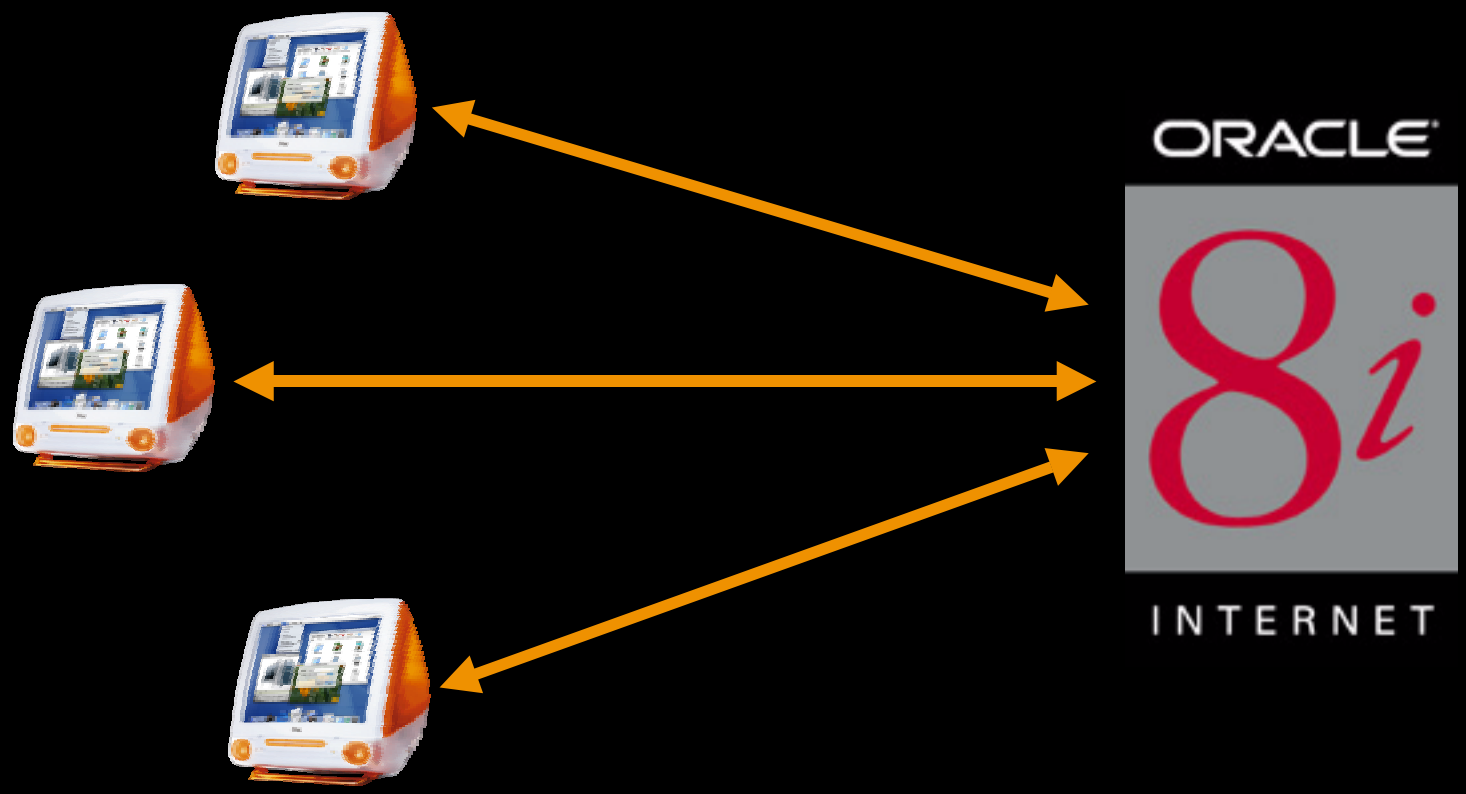
- World's second largest software company
  - $10.7 billion in revenue
  - Operations in 145+ countries
  - Over 41,000 employees
- The only complete e-business software solution
  - #1 in Database, Tools, and OLAP
  - #2 in Applications (eBusiness Suite)

#1 Database Vendor



Source: Dataquest, May 2000

Oracle and Apple



The Macintosh can talk to Oracle!

Client Certification

- Oracle eBusiness suite 11.5.3 currently certified

Oracle 11i APPLICATIONS

The Macintosh can be used as the front-end for the Oracle eBusiness Suite Release 11i

Mac OS X Client Library

- Early release of Oracle 8i client shipped with WebObjects
- "Developer Release" soon via:
  - Apple developer kits
  - Download from Oracle OTN
  - Download from Apple developer website
- Production release with full support end of 2001

Mac OS X applications can connect to an Oracle 8i or 9i database on any platform!

Oracle Thin JDBC Driver

- Available end of 2001
- Oracle's direction going forward
- Developers encouraged to move applications to Java

Oracle and Apple

- For more information, visit:
  - Oracle Technology Network (OTN)
    http://technet.oracle.com
  - Apple Developer website
    http://www.apple.com/developer

WebObjects Lab

- Located downstairs in Room K
- Lab hours
  - Monday 12:00pm–6:00pm
  - Tuesday 10:30am–6:00pm
  - Wednesday 10:30am–6:00pm
  - Thursday 10:30am–6:00pm
  - Friday 10:30am–3:30pm

Vote for WebObjects as Best App Server

http://developer.apple.com/webobjects

Roadmap

601 WebObjects: Technical Overview: Getting Started with WebObjects	Civic **Mon., 5:00pm**
701 Project Builder Introduction	Hall 2 **Tues., 2:00pm**
FF111 WebObjects Feedback Forum	Room A1 **Fri., 3:30pm**

Who to Contact

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webobjects@apple.com

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WebObjects Product Manager
webobjects@apple.com

iServices Consulting, Integration, Training & Certification
(800) 848-6398
iservices@apple.com

For more information:
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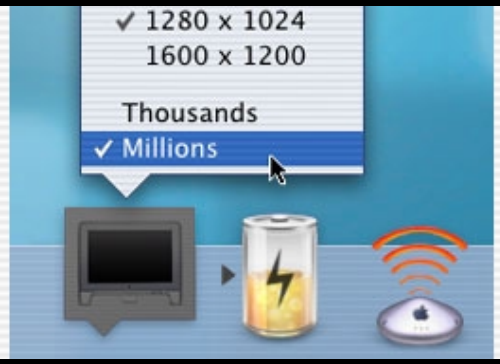
webobjects-announce@apple.com

Q&A



Ernest Prabhakar
(and everyone)
webobjects@apple.com

http://developer.apple.com/events/urls.html

WWDC

Worldwide Developers Conference 2001